

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

KARP, Christoph D., et al.

Group Art Unit: [not yet assigned]

Title: **PRESSURIZED MICROFLUIDIC DEVICES  
WITH OPTICAL DETECTION REGIONS**

Examiner: [not yet assigned]

Serial Number: [not yet assigned]

Attorney Docket: 131-US

Filed: [herewith]

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies of only the "Foreign Patent Documents" and "Other Documents" are enclosed for the convenience of the Examiner. Copies of the "U.S. Patent Documents" are not enclosed pursuant to the notice dated July 11, 2003 from the Office of Patent Legal Administration (appearing on the "News & Notices" section of the USPTO website) waiving the requirement to supply such citations in applications filed after June 30, 2003. If, however, the Examiner would find it helpful to have the U.S. citations, Applicants will supply them at the request of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicants is not to be construed that any such patent, publication, or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicants as such.

Respectfully submitted,

  
Vincent K. Gustafson  
Reg. No. 46,182

Dated: October 29, 2003

**USPTO Customer No.: 32763**

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> 131-US	<b>SERIAL NO.</b>
	<b>APPLICANT:</b> KARP, Christoph D., et al.	
	<b>FILING DATE:</b> [herewith]	<b>GROUP:</b> [not yet assigned]

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A1	6,607,907 B2	8/19/2003	McNeely, et al.	435	286.6	5/15/2001
	A2	6,581,441 B1	6/24/2003	Paul	73	61.52	2/1/2002
	A3	2003/0089663 A1	5/15/2003	Petro, et al.	210	656	8/28/2002
	A4	6,537,506 B1	3/25/2003	Schwalbe, et al.	422	130	2/3/2000
	A5	6,537,501 B1	3/25/2003	Holl, et al.	422	101	10/28/1999
	A6	6,533,840 B2	3/18/2003	Martin, et al.	95	45	11/13/2001
	A7	6,532,978 B1	3/18/2003	Müller-Kuhrt, et al.	137	1	11/22/1999
	A8	2002/0189947 A1	12/19/2002	Paul, et al.	204	461	8/29/2001
	A9	6,494,230 B2	12/17/2002	Chow	137	827	6/8/2001
	A10	6,491,816 B2	12/10/2002	Petro	210	198.2	9/18/2001
	A11	6,444,461 B1	9/3/2002	Knapp, et al.	435	283.1	9/20/2000
	A12	6,293,012 B1	9/25/2001	Moles	29	890.124	4/26/2000
	A13	6,274,089 B1	8/14/2001	Chow, et al.	422	101	6/8/1998
	A14	6,261,430 B1	7/17/2001	Yager, et al.	204	455	2/17/2000
	A15	6,235,471 B1	5/22/2001	Knapp, et al.	435	6	4/3/1998
	A16	6,074,725	6/13/2000	Kennedy	428	188	12/10/1997
	A17	5,922,604	7/13/1999	Stapleton, et al.	436	46	6/5/1997
	A18	5,922,591	7/13/1999	Anderson, et al.	435	287.2	6/27/1996
	A19	5,876,675	3/2/1999	Kennedy	422	99	8/5/1997
	A20	5,863,502	1/26/1999	Southgate, et al.	422	58	1/23/1997
	A21	5,846,396	12/8/1998	Zanzucchi, et al.	204	601	11/9/1995
	A22	5,757,482	5/26/1998	Fuchs, et al.	356	246	4/20/1995
	A23	5,744,366	4/28/1998	Kricka, et al.	436	63	11/14/1994

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

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EXAMINER INITIALS	NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
	C4	Ericson, Christer, et al., <i>Electroosmosis- and Pressure-Driven Chromatography in Chips Using Continuous Beds</i> , "Analytical Chemistry," Vol. 72, No. 1, January 1, 2000, pp. 81-87.
	C5	Ehrfeld, W., et al. <i>Potentials and Realization of Microreactors</i> , "DECHEMA Monographs," Vol. 132, 1996.
	C6	Ngola, Sarah M., et al., <i>Conduct-as-Cast Polymer Monoliths as Separation Media for Capillary Electrochromatography</i> , "Analytical Chemistry," Vol. 73, No. 5, March 1, 2001, pp. 849-856.
	C7	Shediac, Renée, et al., <i>Reversed-phase electrochromatography of amino acids and peptides using porous polymer monoliths</i> , "Journal of Chromatography A," 925, (2001), pp. 251-263.
	C8	Monahan, Jennifer, et al., <i>A Method for Filing Complex Polymeric Microfluidic Devices and Arrays</i> , "Analytical Chemistry," Vol. 73, No. 13, July 1, 2001, pp. 3193-3197.

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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A24	5,698,299	12/16/1997	Schmidt, et al.	428	209	5/9/1995
	A25	5,658,413	8/19/1997	Kaltenbach, et al.	156	272.8	6/7/1995
	A26	5,595,650	1/21/1997	Manz	210	198.2	2/28/1995
	A27	5,571,410	11/5/1996	Swedberg, et al.	210	198.2	6/7/1995
	A28	5,480,614	1/2/1996	Kamahori	422	70	3/16/1994
	A29	5,376,252	12/27/1994	Ekström, et al.	204	299 R	11/10/1992
	A30	3,449,938	6/17/1969	Giddings	73	23	12/27/1965

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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION?	
	B1	EP 1 106 244 A2	6/13/2001	EPC	Bergh, et al.	YES	NO
	B2	WO 01/38865 A1	5/31/2001	WIPO	Harrison, et al.		
	B3	WO 00/72970 A1	12/7/2000	WIPO	Petersen, et al.		
	B4	WO 00/31528	6/2/2000	WIPO	Müller-Kuhrt, et al.		X
	B5	WO 00/21659	4/20/2000	WIPO	Burdon, et al.		
	B6	WO 99/44217	9/2/1999	WIPO	Nagle, et al.		
	B7	WO 99/33559	7/8/1999	WIPO	Pourahmadi, et al.		
	B8	WO 99/19717	4/22/1999	WIPO	Bjornson, et al.		
	B9	WO 98/45693	10/15/1998	WIPO	Soane, et al.		

EXAMINER INITIALS	NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
	C1	Jacobson, Stephen C., et al., <i>Integrated Microdevice for DNA Restriction Fragment Analysis</i> , "Analytical Chemistry," Vol. 68, No. 5, March 1, 1996, pp. 720-723.
	C2	Ocvirk, Gregor, et al., <i>High Performance Liquid Chromatography Partially Integrated onto a Silicon Chip</i> , "Analytical Methods and Instrumentation," Vol. 2, No. 2, (1995), pp. 74-82.
	C3	Manz, Andreas, et al., <i>Miniaturization of Separation Techniques Using Planar Chip Technology</i> , "Journal of High Resolution Chromatography," Vol. 16, July 26, 1993.

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